aiwa

OPERATING INSTRUCTIONS
INSTRUCCIONES DE MANEJO
MODE D'EMPLOI

CSD-A120

COMPACT DISC STEREO RADIO CASSETTE RECORDER

RADIOCASETE ESTÉREO CON REPRODUCTOR DE DISCOS COMPACTOS

RADIO-CASSETTE LECTEUR DE CD STEREO

English : See page 2. En

Español : Ver la página 8. E

Français : Voir page 14. F

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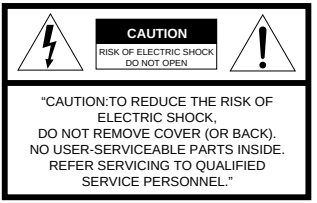
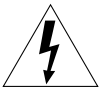
COMPACT disc DIGITAL AUDIO

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



Explanation of Graphical Symbols:



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

OWNER'S RECORD
For your convenience, record the model number (you will find it on the rear of the unit) and serial number (you will find it in the battery compartment) in the space provided below. Please refer to them when you contact your AIWA dealer in case of difficulty.

Model No. _____

Serial No. _____

Precautions

Read the Operating Instructions carefully and completely before operating the unit. Be sure to keep the Operating Instructions for future reference. All warnings and cautions in the Operating Instructions and on the unit should be strictly followed, as well as the safety suggestions below.

Installation

1 **Water and moisture** - Do not use this unit near water, such as near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, swimming pool, or the like.
2 **Heat** - Do not use this unit near sources of heat, including heating vents, stoves, or other appliances that generate heat.
It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).
3 **Mounting surface** - Place the unit on a flat, even surface.
4 **Ventilation** - The unit should be situated with adequate space around it so that proper heat ventilation is assured.
Allow 10 cm (4 in.) clearance from the rear and the top of the unit and 5 cm (2 in.) from each side.
- Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
- Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.

5 **Objects and liquid entry** - Take care that objects or liquids do not get inside the unit through the ventilation openings.
6 **Carts and stands** - When placed or mounted on a stand or cart, the unit should be moved with care.
Quick stops, excessive force, and uneven surfaces may cause the unit or cart to overturn or fall.

7 **Condensation** - Moisture may form on the CD pickup lens when:
- The unit is moved from a cold spot to a warm spot
- The heating system has just been turned on
- The unit is used in a very humid room
- The unit is cooled by an air conditioner

When this unit has condensation inside, it may not function normally. Should this occur, leave the unit for a few hours, then try to operate again.
8 **Wall or ceiling mounting** - The unit should not be mounted on a wall or ceiling, unless specified in the Operating Instructions.

Electric Power

1 **Power sources** - Use on batteries or AC house current, as specified in the Operating Instructions and marked on the unit.
2 **Polarization** - As a safety feature, some units are equipped with polarized AC power plugs which can only be inserted one way into a power outlet. If it is difficult or impossible to insert the AC power plug into an outlet, turn the plug over and try again. If it still does not easily insert into the outlet, please call a qualified service technician to service or replace

the outlet. To avoid defeating the safety feature of the polarized plug, do not force it into a power outlet.

3 **AC power cord**
- When disconnecting the AC power cord, pull it out by the AC power plug. Do not pull the cord itself.
- Never handle the AC power plug with wet hands, as this could result in fire or shock.
- Power cords should be firmly secured to avoid being bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power socket.
- Avoid overloading AC outlets and extension cords beyond their capacity, as this could result in fire or shock.

4 **Extension cord** - To help prevent electric shock, do not use a polarized AC power plug with an extension cord, receptacle, or other outlet unless the polarized plug can be completely inserted to prevent exposure of the blades of the plug.

5 **When not in use** - Unplug the AC power cord from the AC outlet or remove all the batteries if the unit will not be used for several months or more. When the cord is plugged in, a small amount of current continues to flow to the unit, even when the power is turned off.

Maintenance

Clean the unit only as recommended in the Operating Instructions.

Damage Requiring Service

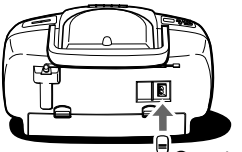
Have the units serviced by a qualified service technician if:
- The AC power cord or plug has been damaged
- Foreign objects or liquid have got inside the unit
- The unit has been exposed to rain or water
- The unit does not seem to operate normally
- The unit exhibits a marked change in performance
- The unit has been dropped, or the cabinet has been damaged

DO NOT ATTEMPT TO SERVICE THE UNIT YOURSELF.

Power supply

Using on AC house current

Connect the AC cord as illustrated below.



supplied AC cord

❶ to the AC inlet of the unit

❷ to an AC outlet (AC 120 V, 60 Hz)

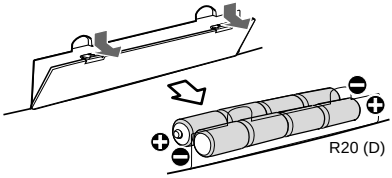
CAUTION

Use only the supplied AC cord. Use with other cords may result in the risk of fire.

Using on batteries

Open the lid of the battery compartment on the rear and insert eight R20 (size D) batteries, not supplied, with the ⊕ and ⊖ marks correctly aligned. Then close the lid.

To switch from AC power supply to battery power supply, disconnect the AC cord from the AC inlet.



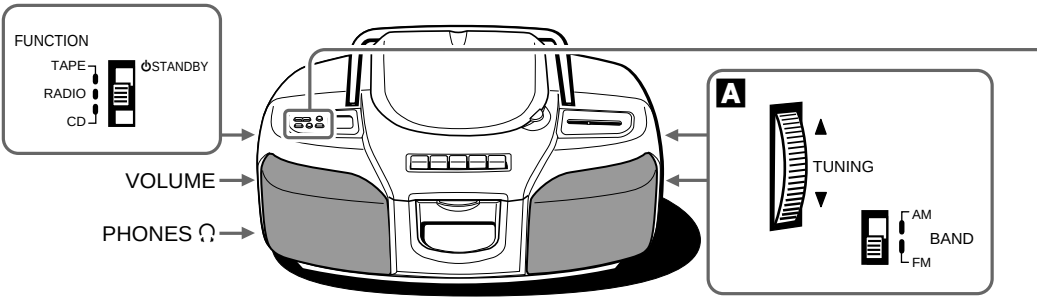
When to replace the batteries

The tape speed slows down, volume decreases, or sound is distorted during operation.

Notes on batteries
- Do not mix different types of batteries or old batteries with new ones.
- When the unit is not to be used for a long period, remove the batteries to prevent needless battery wear.
- Never recharge the batteries, apply heat to them or take them apart.
- Remove dead batteries.

If liquid leaks from the batteries, wipe thoroughly to remove.

En



A TUNER OPERATION

1 **Select RADIO with FUNCTION.**
The power is turned on.

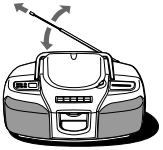
2 **Select a band (AM or FM) with BAND.**

3 **Tune to a station with TUNING.**

4 **Adjust the volume with VOLUME.**

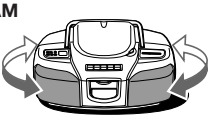
For better reception

FM



Extend the rod antenna and orient it for the best reception.

AM



The antenna is inside the unit. Position the unit for the best reception.

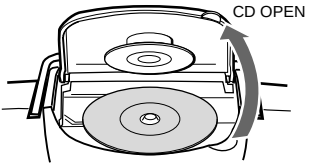
After listening, select TAPE/⏻ STANDBY with FUNCTION to turn the power off.

NOTE
If the unit picks up noise from other electrical appliances nearby, like a TV or fluorescent lights, move the unit away.

B CD OPERATION

1 **Select CD with FUNCTION.**
The power is turned on and "00" will light up in the display.

2 **Pull up the portion marked CD OPEN on the disc compartment lid. Place a disc with the printed side up and close the disc compartment.**

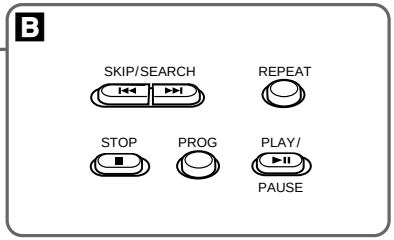


The total number of tracks is displayed.

3 **Press ►II PLAY/PAUSE to start play.**
The number of the track being played is displayed.

4 **Adjust the volume with VOLUME.**

■ **STOP** – Stops play.
►II **PLAY/PAUSE** – Pauses play. To resume play, press again.
I◄◄,►►I **SKIP/SEARCH** – Searches for a particular point during playback. Keep I◄◄ or ►►I pressed and then release it.
– Skips to the beginning of a track. Press I◄◄ or ►►I repeatedly.
REPEAT – Repeats a single track or all tracks. Select as follows.
The dot flashes in the display: A single track is played repeatedly. Select a track with I◄◄ or ►►I.
The dot lights up in the display: All tracks are played repeatedly.



After listening, select TAPE/⏻ STANDBY with FUNCTION to turn the power off.

NOTE

- Do not use irregular shape CDs (example: heart-shaped, octagonal ones).
  It may result in malfunctions.
- Do not place more than one disc in the disc compartment.
- Do not try to open the disc compartment during play.
- Do not touch the lens. Doing so may cause malfunctions.

PROGRAMMED PLAY

Up to 16 tracks can be programmed from the disc.

1 **In stop mode, press PROG.**
"Pr" and the program indicator flash.

2 **Press ⏮, ⏭ to select a track, then press PROG to store it.**
"Pr" and the program indicator flash again.

3 **Repeat step 2 to program other tracks.**

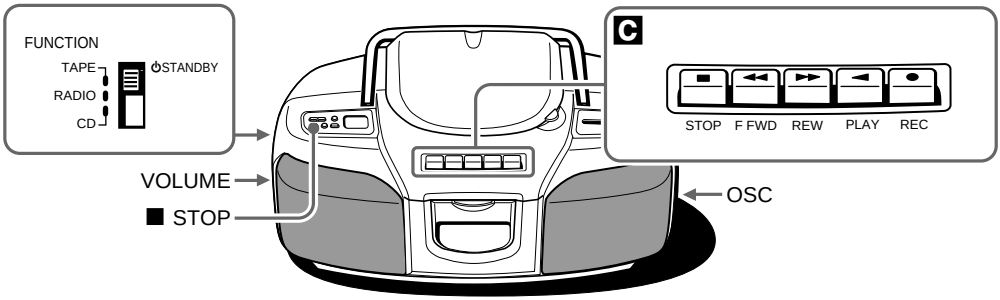
4 **Press PROG to finish the program.**
The numbers of the programmed tracks are displayed in order.

5 **Press ⏯ to start play.**

The program indicator lights up while the unit is in programmed play mode.

To check the program, press PROG twice in stop mode.
To clear the program, press ■ once in stop mode so that the program indicator is turned off.
To change the programmed tracks, clear the program and repeat all the steps again.
To add a track to the program, repeat steps 1 and 2 in stop mode. The new track will be added after the last programmed track.

To listen with the headphones
Connect headphones with a stereo mini plug to the PHONES ∩ jack.

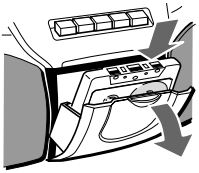


C TAPE OPERATION

Use Type I (normal) tapes only.

INSERTING A TAPE

Place your finger on the top of the cassette holder and pull it, then insert a tape with the exposed side up and the side to be played facing out.



Push the cassette holder to close.

PLAYING A TAPE

Press ◄ PLAY while the power is off.
The power is turned on and play of the inserted tape begins.
Adjust the volume with VOLUME.

■ **STOP** – Stops play. The power will be automatically turned off.
◄◄ **F FWD/** ►► **REW** – Fast forwards/ rewinds. To stop the winding, press ■. At the end of the tape, press ■ to release ◄◄ or ►►.

RECORDING

Note that recording is done on only one side of the tape.

1 **Insert a tape with the side to be recorded facing out.**

2 **Get ready to record from the source.**
To record from a CD, select CD and load the disc.
To record from a radio broadcast, select RADIO and tune to a station.

3 **Press ● REC to start recording.**
◄ PLAY is pressed simultaneously.
When recording from a CD, press ►II PLAY/ PAUSE to start playback.

To record only the selected tracks of a CD
1 Follow steps 1 to 4 of PROGRAMMED PLAY on page 5 to program tracks.
2 Press ● REC and start CD play.

To stop recording, press ■ STOP on the deck. To stop CD play, press ■ STOP on the operation panel.
To erase recording, press ● REC while the power is off.
After recording, select TAPE/⏻ STANDBY with FUNCTION to turn the power off.

OSC
If a high-pitched sound is heard during recording from AM, set OSC to another position.

To prevent accidental erasure
Break off the plastic tabs on the cassette tape with a screwdriver or other pointed tool after recording.
To record on the tape again
Cover the tab openings with adhesive tape, etc.

Specifications

Tuner section
Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna, AM: 530 - 1,710 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 8,000 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 1.5 W + 1.5 W (EIAJ 8 ohms, T.H.D. 10% DC) / Power requirements — DC 12 V using eight size D (R20) batteries, AC 120 V, 60 Hz / Power consumption — 11 W / Dimensions (W × H × D) — 370 × 193 × 219 mm ($14\frac{5}{8} \times 7\frac{5}{8} \times 8\frac{5}{8}$ in.) / Weight — 2.35 kg (5 lbs. 3 oz.) (excluding batteries) / Accessory — AC cord (1)

Specifications and external appearance are subject to change without notice.

COPYRIGHT
Please check the copyright laws relating to recordings from disc, radio or external tape for the country in which the machine is being used.

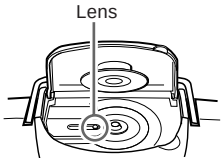
Maintenance

To clean the cabinet
Use a soft cloth lightly moistened with mild detergent solution. Do not use strong solvents such as alcohol, benzine or thinner.

To clean the heads
When the tape heads are dirty;
- high frequency sound is not emitted
- the sound is not adequately high
- the sound is off-balance
- the tape cannot be erased
- the tape cannot be recorded on

After every 10 hours of use, clean the tape heads with a head cleaning cassette.
Use separately sold dry-type or wet-type cleaning cassette.
Refer to the instructions of the cleaning cassette for details.

To clean the lens
Use a cotton swab slightly moistened with cleaning fluid. Wipe gently from the center to the edge.



If an erroneous display or malfunction occurs
Disconnect the AC cord and remove all the batteries to turn off the display.
Leave the unit for a while and turn the power back on.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

... Reorient or relocate the receiving antenna.
... Increase the separation between the equipment and receiver.
... Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
... Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

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